BRINK

Air for life

Installation Regulations

Wireless CO_2 sensor with 3-position switch

English

Installation regulations

Wireless CO_2 sensor with 3-position switch

Keep this document near the unit

This unit may be used by children as of 8 years of age, persons with reduced physical, sensory or mental capacities, and persons with limited knowledge and experience if they are supervised or have received instructions on how to use the unit safely and are aware of the possible dangers. Children under 3 years of age must be kept away from the unit unless under continuous supervision. Children between the ages of 3 and 8 may switch the unit on or off, but only if supervised or if they have received clear instructions on the safe use of the unit and understand the possible dangers, on the condition that the unit has been placed and installed in the normal position for use. Children under 8 years of age may not insert the plug into the socket, nor clean or make changes to the settings of the unit, nor carry out any maintenance on the unit that would normally be carried out by the user. Children may not play with the unit.
Always order a replacement power cable from Brink Climate Systems B.V., if the power cable is replaced. To prevent dangerous situations, a damaged mains connection must only be replaced by a qualified expert!

Country: GB

Contents

1 About this document 5
1.1 Copyright 5
1.2 Warnings 6
2 Safety 7
2.1 Intended use 7
2.2 Unintended Use 7
3 Delivery content 8
4 Technical specification 9
4.1 General product specification 9
5 Operation 10
5.1 Types of remote controllers/sensors 10
5.2 Environmental factors affecting range and performance 11
5.3 {Option} Signal Amplifier 12
6 Assembly 13
6.1 Installing Wireless CO_2 sensor with 3-position switch 13
6.2 Remove Wireless CO_2 sensor with 3-position switch 14
6.3 Maintenance 14
6.4 {Option} Using another frame 14
7 Commissioning 15
7.1 Pairing with USB transceiver 15
7.2 Pairing multiple systems 16
7.3 Factory reset Wireless CO_2 sensor with 3-position switch 17
7.4 Factory reset USB transceiver 17
7.5 Operating the Wireless CO_2 sensor with 3-position switch 18
7.6 Overview operational controls 19
8 Settings 21
8.1 CO_2 sensor functioning general 21
8.2 Settings of RF CO_2-sensor on ventilation appliance 22
8.3 CO_2 values check on ventilation unit 22
9 Troubleshooting and warranty 23
9.1 Failure 23
9.2 System validation 23
9.3 Warranty 23
10 Declaration of Conformity 24
11 Recycling and Disposal 25

1 About this document

Dear client,

Thank you for purchasing the Wireless CO_2 sensor with 3-position switch.

This user and installation manual provides all the information required to safely install, operate, and maintain the accessory.
Please read this manual carefully before installing or using the accessory to ensure correct and safe operation.

This manual is intended for both the installer and the end user. Certain chapters and instructions are intended exclusively for qualified installers, as they describe technical procedures and safety measures that require specialist expertise.
Keep this manual for future reference.

For additional information, feedback or suggestions, please contact:

Brink Climate Systems B.V.
PO Box 11 - NL-7950 AA, Staphorst, The Netherlands
Phone: +31 (0) 522 46 99 44
Email: info@brinkclimatesystems.nl
Website: www.brinkclimatesystems.nl

1.1 Copyright

All information, illustrations, data, and materials in this document are the property of Brink Climate Systems B.V. and are provided in confidence. Reproduction or distribution is not permitted without prior written consent.

1.2 Warnings

Warnings alert the user to possible risks before an instruction begins.
The warnings provide you with information on the possible severity of the risk using a pictogram and a keyword.

Danger
Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

Electrical danger
Indicates a hazardous electrical situation which, if not avoided, will result in death or serious injury.

Warning
Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

Caution
Indicates a hazardous situation which, if not avoided, may result in minor or moderate injury.

Note
Indicates information to prevent damage to property.

Warnings are structured as follows:

Warning
Possible signal words: Danger / Electrical danger / Warning / Caution / Note
Type and source of risk.
Explanation of risk
1. Action to prevent the risk

2 Safety

2.1 Intended use

This manual is about the accessory Wireless CO_2 sensor with 3-position switch.
The accessory is intended for use in a domestic environment only. And should only be used in combination with products approved by Brink Climate Systems B.V..

Note
Please note: For installations with a Signal Amplifier version 2.0, the components and USB transceiver must have firmware version S2.0 or higher.

This is because the USB transceiver and the Signal Amplifier use different pairing protocols in their S1 and S2 firmware branches. The firmware version can be found on the sticker located on the side of the wireless device.

Using the accessory for other purposes is only permitted after consultation with the national representation of Brink Climate Systems B.V. and requires commissioning by Brink Climate Systems B.V.'s service department. Please contact the local installer and the national representation of Brink Climate Systems B.V. for this purpose.

The accessory can only be used with a Heat recovery ventilation (HRV) equipped with a USB connection and where the various components are equipped with specific software versions:

- HRV unit software version starting with S2 → Version S2.01.24 or higher.
- HRV unit software version starting with S3 → Version S3.01.03 or higher.

For correct operation, the Wireless CO_2 sensor with 3-position switch must be installed in an indoor environment with suitable ambient conditions.

- Only to be used in enclosed and frost-proof areas.
- The ambient temperature and relative humidity must be within the limits provided in the technical specifications.

Note
+2 °C to +40 °C, RH < 90 % (non-condensing)

- Do not install the Wireless CO_2 sensor with 3-position switch near heat sources, radiators, or in areas with extreme humidity.
- Avoid exposure to direct radiant heat, such as sunlight.
- Do not place the Wireless CO_2 sensor with 3-position switch near strong magnetic fields, as these may damage internal components.

2.2 Unintended Use

Do not use the unit in the following environments:

- Explosive or potentially explosive atmospheres
- Highly corrosive (e.g., chlorine, ammonia) or polluted atmospheres (e.g., with metal-containing dust)
- Locations above 2000 m altitude

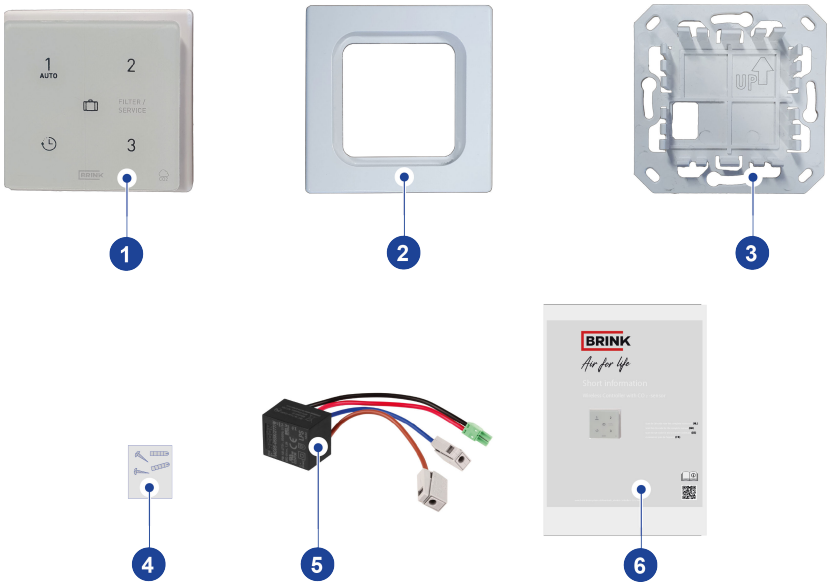
Any use other than the intended use is not permitted. Any modification to the product, at any time, including during installation, voids all warranty claims.

The user assumes full responsibility for any such use.

3 Delivery content

Verify that the delivered Wireless CO_2 sensor with 3-position switch is complete and free of damage.

The delivery content of the Wireless CO_2 sensor with 3-position switch consists of the following components:



1. *Wireless CO_2 sensor with 3-position switch*
2. *Frame*
3. *Wall bracket*
4. *Mounting screws (2x) & wall plugs (2x)*
5. *Permanent power supply (230 VAC / 5 VDC)*
6. *Short information with QR-code to online manual*

4 Technical specification

4.1 General product specification

Product description

Name:	Wireless CO_2 sensor with 3-position switch

Technical product specifications

Operating voltage	5 VDC **(230 VAC mains supply)*
Protection class	IP21
Frequency	868 MHz
Color	RAL 9010 **(White)*

Ambient conditions

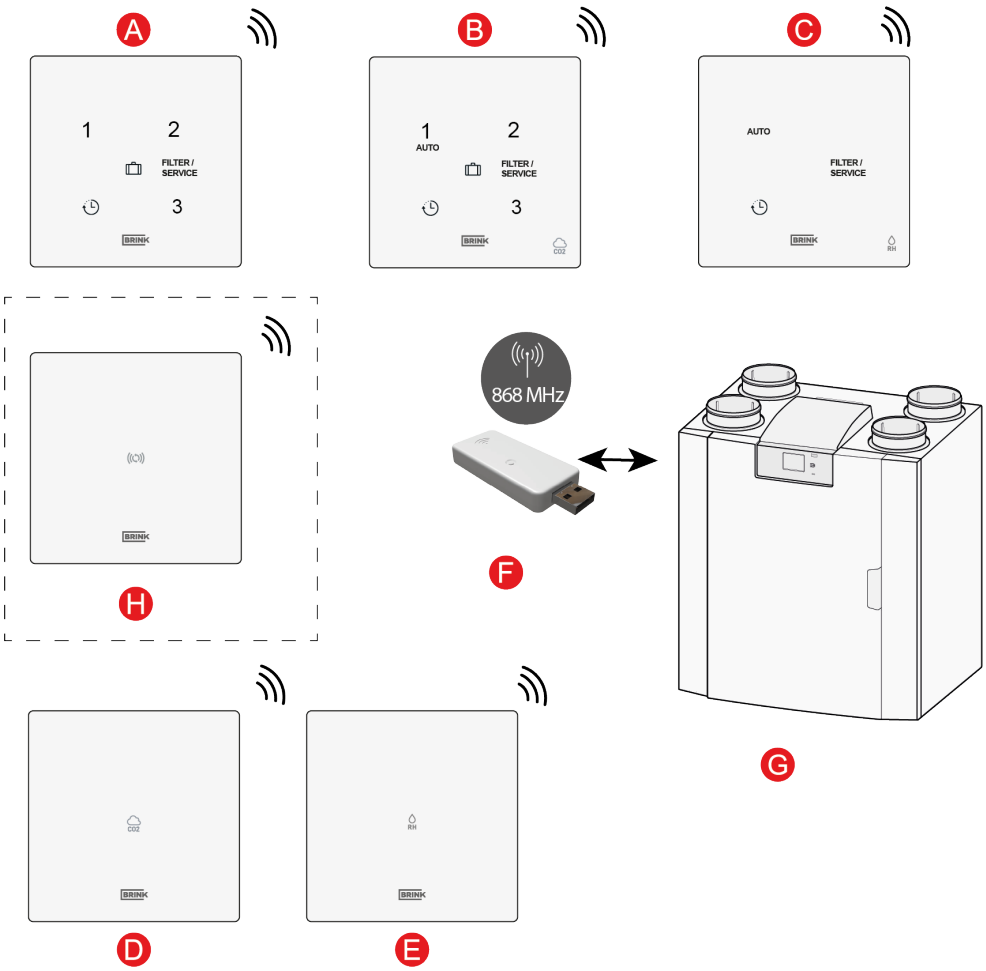
Ambient temperature	+2°C to +40°C
Storage temperature	-20°C to 60°C
Humidity	<90%
Other	For indoor use only
Range	300 m **(open field; 1 meter hight)*

5 Operation

5.1 Types of remote controllers/sensors

Brink Climate Systems B.V. offers a series of five types of remote controllers and sensors (A-E) that connect wirelessly to a Heat Recovery Ventilation unit via a USB-transceiver (F).
Remote controllers (types A, B, and C) indicates when the filter(s) need to be cleaned, replaced, or when a malfunction occurs in the ventilation system.
Multiple remote controllers and/or sensors can be paired with a single USB transceiver.
A maximum of 12 devices can be connected per USB transceiver, consisting of up to 4 remote controllers, 4 CO_2 sensors and 4 humidity sensors

If wireless range limitations occur, a maximum of one Signal Amplifier (H) can be added to extend coverage.



Device Types

A. Wireless 3-position switch
B. Wireless CO_2 sensor with 3-position switch
C. Wireless RH sensor with boost function
D. Wireless CO_2 sensor
E. Wireless RH sensor
F. USB Transceiver
G. HRV unit with USB connection (e.g., HRV unit type flair)
H. Signal Amplifier

Order information, article code:

- *532711*
- *532727*
- *532728*
- *532712*
- *532713*
- *532714 *(Mandatory accessory)*
- *- - -*
- *532715 *(Optional)*

5.2 Environmental factors affecting range and performance

Devices operating in the 868 MHz UHF band are sensitive to environmental conditions. The communication range can be significantly reduced by the physical characteristics of residential buildings.

(Exterior) Walls, floors, and ceilings constructed from reinforced concrete, brick, or containing metal elements (e.g., steel frames, pipes, insulation foil) introduce signal attenuation. Each additional wall or floor further decreases the effective range.

In apartment buildings, dense structural materials, multiple adjacent walls, and interference from other wireless devices operating in the same frequency band can further limit signal propagation.

Range is also influenced by device mounting position and its proximity to large metal objects or electrical installations.

Conditions under which performance is likely guaranteed

- Communication through one interior wall or floor
- Devices installed in open, elevated positions
- No other wireless devices operating in the same 868 MHz band nearby
- Short distance between devices
- Devices not placed near metal surfaces
- Devices mounted away from electrical panels or wiring channels

Conditions under which performance may be reduced

- Communication through multiple interior walls of floors
- Communication over large distances
- Nearby devices operating in the 868 MHz UHF band
- Devices located close to large metal objects (units, cabinets, metal doors,metal pipes)
- Devices positioned near electrical installations (distribution boards, wiring conduits)
- Devices placed behind or surrounded by reinforced concrete
- Devices located inside enclosed spaces (closets, cabinets, sealed housings)
- Use in apartments with dense structural materials (brick, concrete, metal-reinforced walls)
- Interference from neighboring apartments with similar wireless devices

Conditions Under Which Performance Cannot Be Guaranteed

- Communication through exterior walls (brick, concrete, insulation foil, steel frames)
- Devices installed (on / in) sepperat (floors / rooms) without a Signal Amplifier
- Communication paths that pass through multiple exterior barriers
- Large numbers of wireless devices in the same frequency band causing congestion
- Sensor and USB transceiver located in opposite ends of a building with many obstructions
- Presence of continuous metal barriers between devices (e.g., HVAC ducts, lift shafts)

Recommendation: For optimal performance, install devices in elevated, open locations and away from metal surfaces. Actual performance may vary depending on environmental conditions and installation quality.
If wireless range limitations occur, a maximum of one Signal Amplifier can be added to extend coverage.

5.3 {Option} Signal Amplifier

An optional Signal Amplifier is available to extend the communication range between the USB transceiver (F) and the wireless remote controllers/sensors (A–E).

Note
A maximum of one Signal Amplifier is permitted within a single system network architecture to ensure proper signal integrity and system performance.

The Signal Amplifier is required when:

- the signal must cover a long distance within the dwelling,
- the home is highly insulated, or
- materials that interfere with wireless communication are present.

During system design, ensure that space and provisions are made for installing this Signal Amplifier.

Ordering Information

The Signal Amplifier can be ordered via Brink under article code 532715.

6 Assembly

6.1 Installing Wireless CO_2 sensor with 3-position switch

Perform **step1** to **step 4** to install the Wireless CO_2 sensor with 3-position switch.

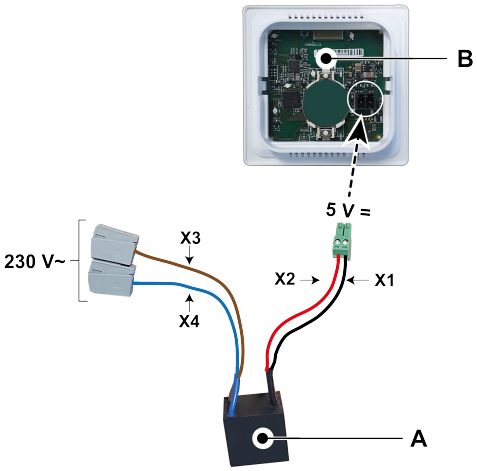
Electrical danger
At all times disconnect the 230 V mains supply when connecting the permanent power supply!

Step 1

- Fit the permanent power supply (A) in the wall box.
- Connect the 230 V mains supply to the factory-mounted grey connectors of the power supply. Strip the wire to a length of approximately 7 mm.

Step 2

- Feed the red and black wires with the green connector through the square hole in the in the wall bracket(C).
- Install the Wireless CO_2 sensor with 3-position switch in a Ø 55 mm flush-mounted wall box at a height of about 1.65 m.
- Screw the wall bracket on the wall box.



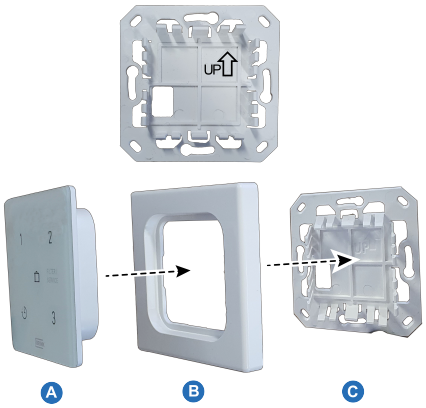
A. *Permanent power supply *(230 VAC/5 VDC)*
B. *Wireless CO_2 sensor with 3-position switch*

X1 = Black
X2 = Red
X3 = Brown
X4 = Blue

Step 3

Note
The arrow on the wall bracket must point upwards!

- Feed the red and black wire with the green connector through the frame (B), and connect this to the connector on the back side of the Wireless CO_2 sensor with 3-position switch (A).
- Click the Wireless CO_2 sensor with 3-position switch (A) together with connected red and black wires and the frame (B) on the wall bracket (C).



**(An example of a wireless 3-position switch is shown, other wireless accessories are is installed in the same way.)*

Step 4

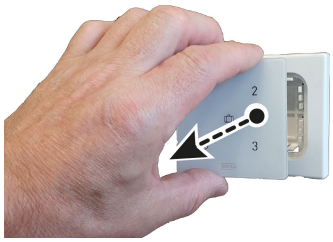
- After mounting the Wireless CO_2 sensor with 3-position switch on the wall bracket, remove the foil from the front.
- Reconnect the 230 V. mains supply.

Note
Once the Wireless CO_2 sensor with 3-position switch receives power, all 5 LEDs on the Wireless CO_2 sensor with 3-position switch will start flashing.

6.2 Remove Wireless CO_2 sensor with 3-position switch

To remove the Wireless CO_2 sensor with 3-position switch from the wall bracket, grasp the front of the Wireless CO_2 sensor with 3-position switch by its edges and gently pull it away from the bracket.

**(Example: "Wireless 3-position switch", other wireless controllers and sensors can be removed from the wall bracket in the same manner.)*



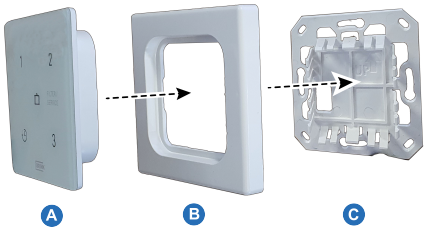
6.3 Maintenance

Clean the Wireless CO_2 sensor with 3-position switch regularly with a soft cloth.

Note
Never apply water and/or (cleaning) liquid to the Wireless CO_2 sensor with 3-position switch.

6.4 {Option} Using another frame

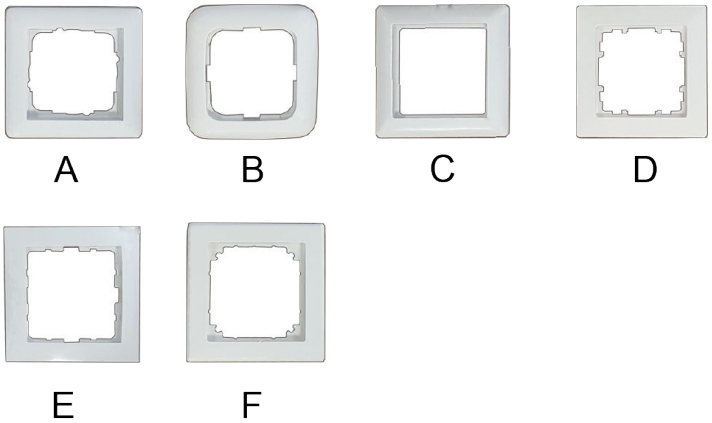
The Wireless CO_2 sensor with 3-position switch consists of a wall bracket (C), a frame (B) and the wireless accessory (A). The wall bracket (C) is designed in such a way that a large number of frames from other vendors can be used.



Products are supplied with Brink frame as standard. This frame can be replaced by frames from the other manufacturers and series. Appearance and tolerances vary by manufacturer. The following types of frames can be used instead of the standard frame:

A. Gira - System 55
B. Busch Jaeger Balance/Reflex SI
C. Jung AS
D. Siemens Delta
E. Berker S.1
F. Merten System M

The above mentioned alternative frames are not included in the Brink delivery program!



7 Commissioning

7.1 Pairing with USB transceiver

Step 1 *USB transceiver*

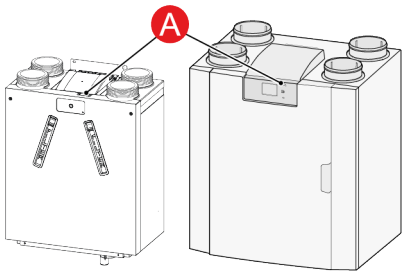
When the Wireless CO_2 sensor with 3-position switch has been installed on the wall, the USB transceiver can be placed in the USB port of the HRV unit that needs to be connected with the Wireless CO_2 sensor with 3-position switch.

Note
The USB transceiver is not supplied with the Wireless CO_2 sensor with 3-position switch and can be ordered separately from Brink (article code 532714)

Step 2 *HRV unit*

Apply mains power to the HRV unit.

For an HRV unit equipped with a display, the USB symbol ( ) will appear as confirmation that the USB transceiver has been recognized. For an HRV unit without a display, this USB symbol will be visible in the app.
If the USB symbol does not appear, the HRV unit is likely running a software version from before July 2022, in which case pairing with the Wireless CO_2 sensor with 3-position switch is not supported.



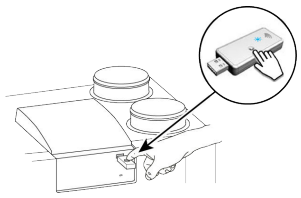
A. USB Port on HRV unit
**(e.g., HRV units type EASE 200 & Flair)*

Step 3 *USB transceiver*

Press and hold the pairing button on the USB transceiver for 5 seconds.

The green LED on the USB transceiver will start flashing (once per second), indicating that pairing mode is active.

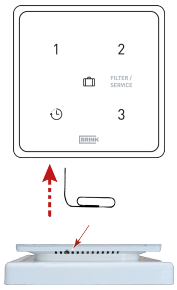
Pairing mode will remain active for 10 minutes.

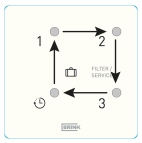


Step 4 *Wireless CO_2 sensor with 3-position switch*

Press and hold the pairing button on the bottom of the Wireless CO_2 sensor with 3-position switch for 5 seconds.
The button is accessible through a small hole and can be pressed using, for example, the end of a paper clip.
A noticeable *click* should be felt when the button is pressed.

After 5 seconds, release the button to enable pairing mode.
Pairing mode is active when the four LED lights illuminate in sequence
**(each LED turns on for 0.5 seconds, with the next LED lighting up only after the previous one turns off).*





Step 5 *Wireless CO_2 sensor with 3-position switch*

A combination of multiple remote controller(s)/sensor(s) on one USB transceiver is possible.

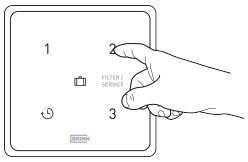
Note
A remote controller with a build in CO2-sensor is seen by the connected HRV unit as a CO2-sensor and a controller with a build-in humidity sensor is seen as a humidity sensor(RH).

When pairing multiple wireless controllers/sensors with the HRV unit, press a button for NODE ID that has not been paired yet. This ID must be unique for each sensor of the same type. The button number corresponds to the number of the paired accessory in the HRV unit menu.

Note
If a wireless remote controller/sensor is registered with an existing NODE ID, the first registered remote controller/sensor will be overwritten. Please ensure that all paired remote controllers/sensors have their own unique NODE ID.

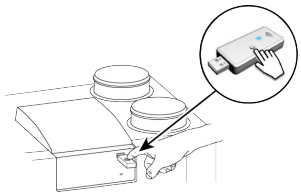
Choose under which number the Wireless CO_2 sensor with 3-position switch should be registered by configuring a "NODE ID"; press any of the four buttons on the accessory. (nepoužívejte tlačítko dovolené)

For example press button 2; LED 2 will flash once.



Step 6 *USB transceiver*

Stop the pairing mode:
Press and hold for 1 second the pairing button of the USB transceiver.
The green LED on the USB transceiver will stop flashing.



Note
Always deactivate the pairing mode on the USB transceiver immediately after pairing.

Fail

Pairing mode failed when the red LED is ON for two seconds and the unpaired sequence will be show again. Try to pair Wireless CO_2 sensor with 3-position switch again.(Or see → {Option} Signal Amplifier ► 12)

7.2 Pairing multiple systems

When pairing multiple installations/residences, be sure to complete the pairing of the wireless transmitters per installation/residence, and ensure that only one (1) USB transceiver is in pairing mode at a time.
It is possible for a USB transceiver in pairing mode to detect and pair with USB transceiver(s), wireless controller(s), Installing signal amplifier(s) and/or sensor(s) from different installations/residences.
To stop the pairing mode on a USB transceiver: Press the pairing button on the USB transceiver for 1 second. The Green LED on the device will stop flashing.

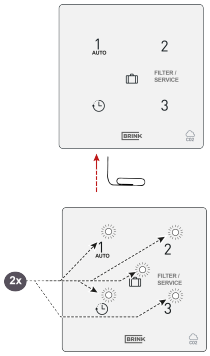
Note
Always deactivate the pairing mode on the USB transceiver immediately after pairing.

7.3 Factory reset Wireless CO_2 sensor with 3-position switch

It is possible to reset the USB transceiver and remote controller(s)/sensor(s) back to factory settings:

Factory resetting Wireless CO_2 sensor with 3-position switch

- Press and hold the pairing button (for example with end of a paperclip) for more than 20 seconds. When pressing the button a ''click'' should be noticeable.
- Release the button after 20 seconds.
- To confirm the reset all 5 LED's will flash two times (0,5 second on and 5 seconds off).
- All the pairing information has been deleted from the Wireless CO_2 sensor with 3-position switch.



7.4 Factory reset USB transceiver

- Press and hold the button on the USB transceiver for more than 20 seconds.
- To confirm the reset, the green LED on the USB transceiver will flash two times.
- All the pairing information has been deleted from the USB transceiver.

All connected devices must be re-paired individually, if applicable.

7.5 Operating the Wireless CO_2 sensor with 3-position switch

The connected HRV unit is operated by pressing one of the buttons on the accessory Wireless CO_2 sensor with 3-position switch.For explanation of the buttons see (→ Overview operational controls ► 19).

Note
Note: For a battery-powered accessory, the LEDs turn off automatically after 300 seconds to save battery power. After touching any button, the LEDs turn on again.

When one or more CO_2 sensors are paired with the HRV unit, the unit automatically regulates the ventilation level according to the CO_2 threshold settings configured in the HRV.
If multiple CO_2 sensors are connected, the ventilation demand is determined by the sensor requesting the highest ventilation level.
When multiple remote controllers are in use, the ventilation level most recently selected on any controller overrides all previously set levels.

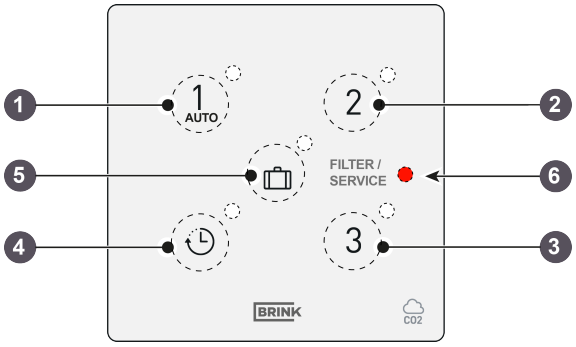
When the vacation mode ( ) is activated (if available), the humidity control/CO_2 control (if applicable) is not operational! The CO_2 control is also not operational in setting 3 of a 3-position switch and in boost mode on a RH sensor with boost function.

The activation of the remote controller/sensor and the airflow rates associated with the ventilation settings must always be set on the paired HRV unit. This cannot be done on the Wireless CO_2 sensor with 3-position switch.
Refer to the installation manual of the connected HRV unit for further instructions.

7.6 Overview operational controls

The Wireless CO_2 sensor with 3-position switch has five capacitive buttons, each with a white LED that flashes once to confirm a button press.

Button overview



1. Ventilation level 1 / Automatic ventilation based on CO_2 sensor(s)
2. Ventilation level 2
3. Ventilation level 3
4. Boost function
5. Holiday mode
6. **Additional indicator:**
   Red LED for filter notification and fault indication

Button 1 *Auto / Ventilation level 1*
Pressing button 1 switches the HRV unit to ventilation level 1
**(basic ventilation during absence;*
or to automatic mode according to the connected CO_2 sensor(s)

Button 2 *Ventilation level 2*
Pressing button 2 switches the HRV unit to ventilation level 2
**(normal ventilation during presence)*

Button 3 *Ventilation level 3*
Pressing button 3 switches the HRV unit to ventilation level 3
**(maximum ventilation during cooking or showering)*

Button 4 *Boost function*
Pressing button 4 activates the boost function
**(the HRV unit runs at ventilation level 3 for 30 minutes and then automatically returns to the previous ventilation setting)*

Button 5 *Holiday mode*
Pressing button 5 activates ventilation level 0
**(holiday mode / minimum ventilation)*

Filter / Fault LED (red)

Filter notification

The filter(s) of the connected HRV unit must be cleaned or replaced when the red LED on the Wireless CO_2 sensor with 3-position switch lights up. The LED remains continuously lit.

The filter notification cannot be reset via the Wireless CO_2 sensor with 3-position switch. Refer to the manual of the connected HRV unit for instructions on resetting the filter alert.

Fault notification

If the connected HRV unit reports a malfunction, the red LED on the Wireless CO_2 sensor with 3-position switch flashes at a frequency of 1 Hz (1 blink per second).

Refer to the installation manual of the connected HRV unit for troubleshooting details.

Lost connection

If the Wireless CO_2 sensor with 3-position switch loses connection with the USB transceiver, the red LED on the Wireless CO_2 sensor with 3-position switch flashes 3 × 0.5 seconds ON, followed by 60 seconds OFF

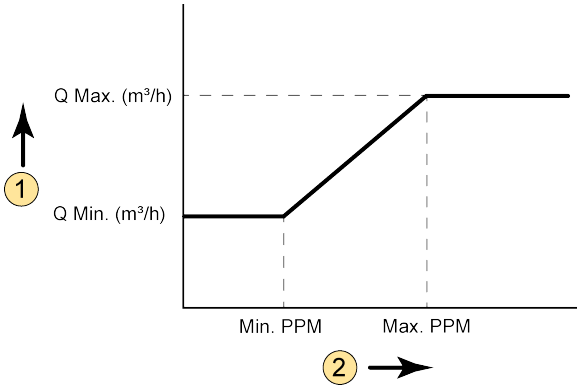
During this condition, filter and fault notifications are overridden.

8 Settings

8.1 CO_2 sensor functioning general

The Wireless CO_2 sensor with 3-position switch(es) ensure optimum ventilation in the dwelling by automatically adjusting the airflow rate on the basis of the CO_2 level. When multiple Wireless CO_2 sensor with 3-position switchs are installed the airflow rate is determined by the Wireless CO_2 sensor with 3-position switch that requests the highest level.
Depending on the minimum and maximum (set) ppm value, the Wireless CO_2 sensor with 3-position switch adjusts the air flow proportionally between the setting 1 (set low) and setting 3 (set high).

Note
The CO_2 control is only active when the HRV unit is in ventilation mode 1 or 2.



1	=	airflow rate
2	=	Amount of CO_2 in area where Wireless CO_2 sensor with 3-position switch is situated
Q Min	=	Minimum air flow setting 1 For example Wireless CO_2 sensor with 3-position switch factory setting step no. 1.2 (in Flair unit) = 100 m^3/h
Q Max	=	Maximum air flow setting 3 For example Wireless CO_2 sensor with 3-position switch factory setting step no. 1.4 (in Flair unit) = 250 m^3/h
Min. ppm	=	Minimum (set) ppm value For example Wireless CO_2 sensor with 3-position switch factory setting step no. 6.2 (in Flair unit) = 400 ppm
Max. ppm	=	Maximum (set) ppm value For example Wireless CO_2 sensor with 3-position switch factory setting step no. 6.3 (in Flair unit) = 1200 ppm

8.2 Settings of RF CO_2-sensor on ventilation appliance

To activate the connected Wireless CO_2 sensor with 3-position switch, the setting of the Wireless CO_2 sensor with 3-position switch must be set to "ON" in the settings menu of the relevant HRV unit. To change settings in the settings menu, see the installation instructions for the unit in question. When desired, the minimum and maximum ppm values on which the CO_2 sensor are controlled can also be set in the settings menu.

CO_2 - settings at Flair unit				
Step no.	Description	Factory setting	Setting range	Step
6	CO_2 sensor			
6.1	Switching ON and OFF CO_2 sensor	OFF	ON - OFF	-
6.2	Minimum ppm CO_2 sensor 1	400	400 - 1200	25
6.3	Maximum ppm CO_2 sensor 1	1200		
6.4	Minimum ppm CO_2 sensor 2	400		
6.5	Maximum ppm CO_2 sensor 2	1200		
6.6	Minimum ppm CO_2 sensor 3	400		
6.7	Maximum ppm CO_2 sensor 3	1200		
6.8	Minimum ppm CO_2 sensor 4	400		
6.9	Maximum ppm CO_2 sensor 4	1200		

8.3 CO_2 values check on ventilation unit

In the information menu (for all Flair units) the values of the connected Wireless CO_2 sensor with 3-position switch(es) can be read out. With this you can also check the proper operation of the connected Wireless CO_2 sensor with 3-position switch(es). Values can only be read in this information menu; changing of settings is not possible. For more information regarding the information menu, see the installation instructions for the unit in question.

Information menu at Flair units:

Press the info button ⓘ on the display and use the ∧ and ∨ button o go to the reading values of the CO_2 sensor(es).

You can consult the user interface or the display of the HRV unit device to see which remote controller/ sensor the HRV unit controls.

Note
It may take up to 48 hours for the Wireless CO_2 sensor with 3-position switch to measure and display the correct value.

9 Troubleshooting and warranty

9.1 Failure

- When using battery-powered remote controls/sensors, the HRV unit will go into a fault state when the battery is low; the fault will disappear after replacing the battery.
- Check if the HRV unit is in vacation mode if wireless CO2 or RH sensors are not functioning.
- In case of pairing issues, refer to → Pairing with USB transceiver ► 15
- Refer to the installation manual of the connected HRV unit for other errors

9.2 System validation

It is possible to check which wireless switches and sensors are paired with the USB transceiver.
This also allows you to determine under which Node ID the module is registered.

- Press and hold the button of the USB transceiver for 12 seconds.
- A LED on the connected devices will display a pattern of 2 seconds on and 5 seconds off.
  If this pattern is not visible, press a button on the device to wake it up.
  If the pattern still does not appear, the device is either out of range or not paired with the USB transceiver.
- The LED indicates the devices number.
- Press the button again for 12 seconds to exit the system validation mode.
- Switching the 230V power off and on will also end the mode.

9.3 Warranty

The Wireless CO_2 sensor with 3-position switch has been carefully manufactured by Brink Climate Systems B.V. and meets high-quality standards. The functionality of the Wireless CO_2 sensor with 3-position switch is guaranteed for a period of two years from the moment of delivery. This warranty is provided in accordance with Brink Climate Systems B.V.'s General Terms and Conditions, which you can find on www.brinkclimatesystems.nl.

In case of incorrect or improper use of the Wireless CO_2 sensor with 3-position switch and failure to follow the instructions in this user manual, your right to warranty is void.

If you wish to claim warranty:
You must make this known in writing via:

Brink Climate Systems B.V.
PO Box 11 - NL-7950 AA, Staphorst, The Netherlands
Phone: +31 (0) 522 46 99 44
Email: info@brinkclimatesystems.nl
Website: www.brinkclimatesystems.nl

Note
It is not allowed to make any changes to the hardware or software of the Wireless CO_2 sensor with 3-position switch. This can affect the proper functioning of the Wireless CO_2 sensor with 3-position switch, and in that case, all warranties will be void."

10 Declaration of Conformity

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Manufacturer:	**Brink Climate Systems B.V.**
Address:	**P.O. Box 11** **NL-7950 AA, Staphorst, The Netherlands**
Product:	**Wireless CO_2 sensor with 3-position switch**

The product described above complies with the following directives:

- 2014/53/EU (EMC directive)

The product described above has been tested according to the following standards:

- EN 301 489-3: V2.1.1:2019-03
- EN 300 220-2: V3.2.1:2018-06
- ETSI EN 300 220-1: V3.1.1 (2017-02)
- EN 62479: 2010
- EN 60669-2-5: 2016
- EN 60669-2-1: 2004 + A1:2009
- EN 50428: 2005 + A1:2007 + A2:2009

EU-Type Examination Certificate 40056587; VDE Testing and Certification Institute (0366).

Staphorst, 15-04-2023

A. Hans
Managing Director

11 Recycling and Disposal

Do not dispose of the unit as household waste!

In accordance with the Waste Disposal Act, the following components must be disposed of or recycled in an environmentally compatible manner by means of appropriate collection points:

- Old unit
- Wear parts
- Defective components
- Electrical or electronic waste
- Environmentally hazardous liquids and oils

Separate materials by type to ensure environmentally compatible disposal and maximise the recyclability of the base materials while minimising environmental impact.

1. Dispose of packaging made of cardboard, recyclable plastics and synthetic filler materials in an environmentally compatible manner through appropriate recycling systems or a recycling center.
2. Please observe the applicable national and local regulations.

Brink Climate Systems B.V.
Wethouder Wassebaliestraat 8, NL-7951SN Staphorst
Tel.: +31 (0) 522 46 99 44
E: info@brinkclimatesystems.nl
www.brinkclimatesystems.nl

616870-I